THOMSON

THS 812
Digitální satelitní přijímač pro vysoká rozlišení obrazu

Návod k obsluze
Používateľská príručka
User manual

Evolution. Emotion. Passion

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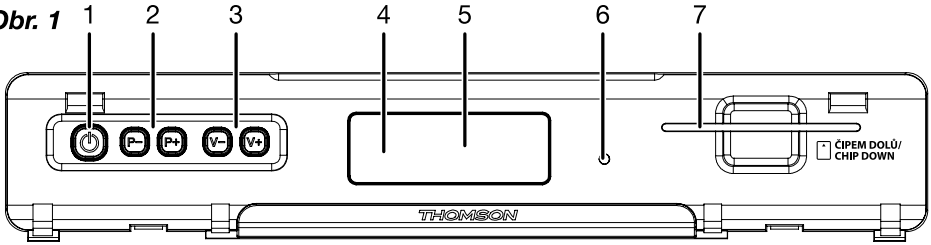
Obr. 1



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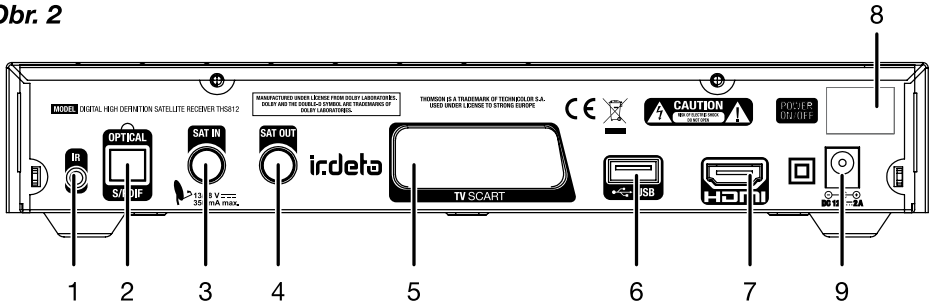

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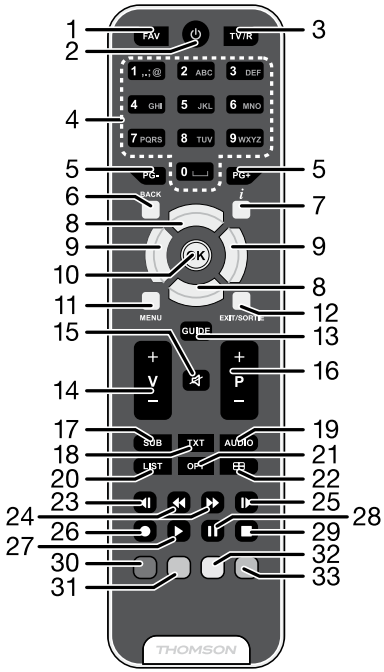

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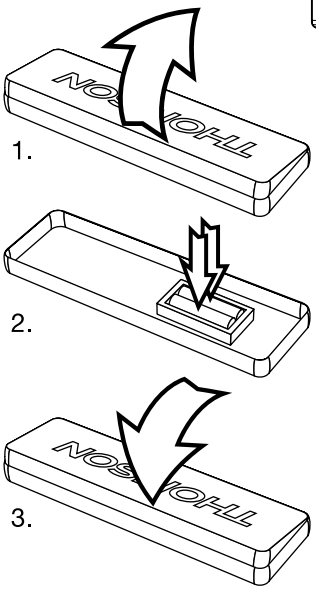

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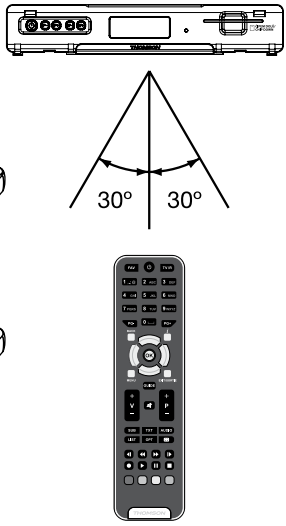

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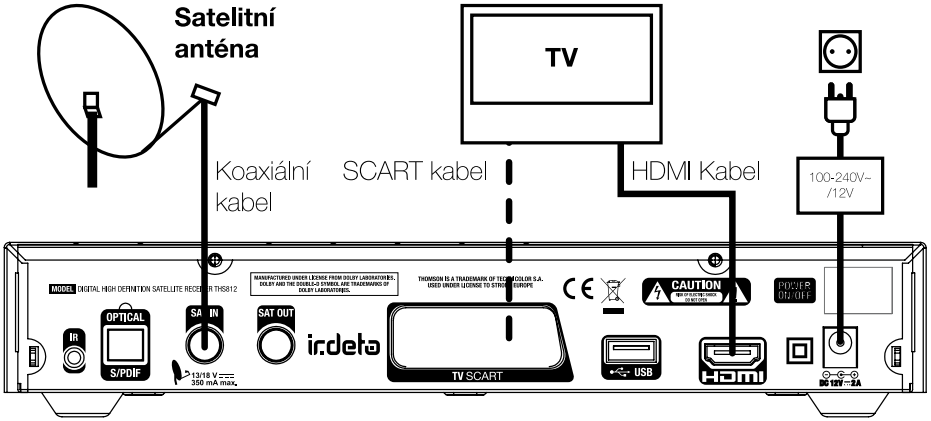

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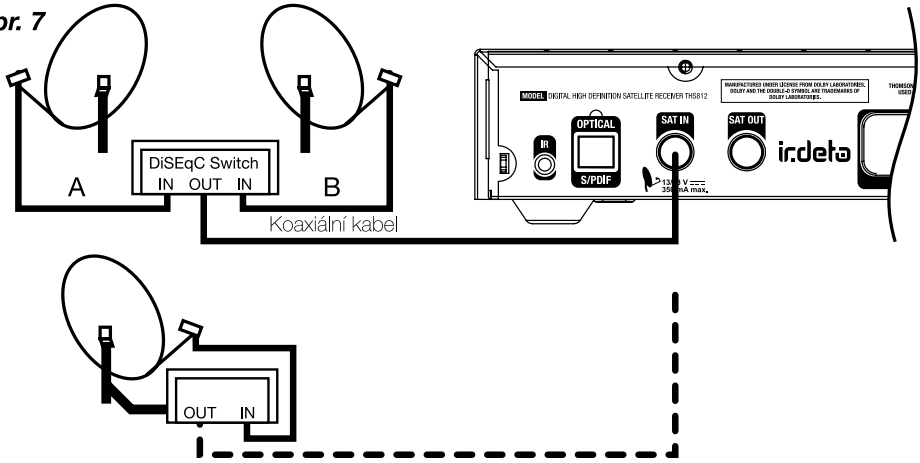

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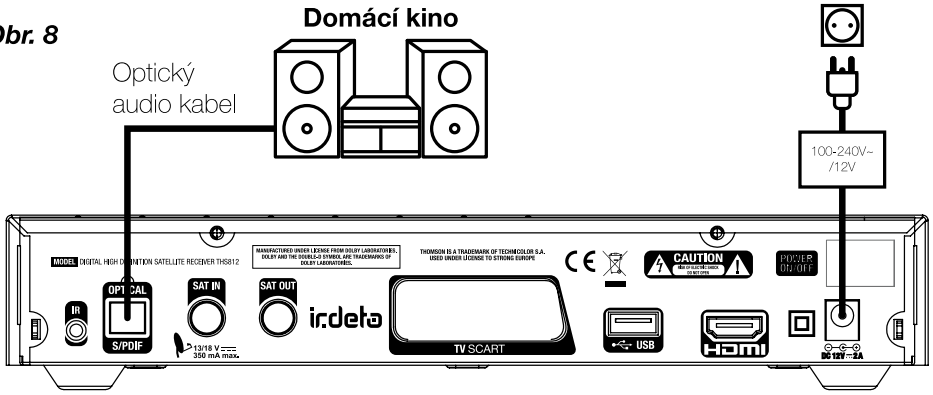

TABLE OF CONTENTS

1.0 INTRODUCTION 2
- 1.1 Safety Instructions 2
- 1.2 Storage 3
- 1.3 Equipment Set-up 3
- 1.4 Accessories 3
- 1.5 Usage of external USB devices 3

2.0 YOUR RECEIVER 4
- 2.1 Default PIN-code 4
- 2.2 Master MR PIN-code 4
- 2.3 Front Panel 4
- 2.4 Rear Panel 4
- 2.5 Remote Control 4
- 2.6 Installing the Batteries 5
- 2.7 Using the Remote Control 5

3.0 CONNECTIONS 5
- 3.1 Basic Connection 5
- 3.2 Connecting multiple fixed antennas via DiSEqC 1.0 switch 6
- 3.3 Extended connections for your home entertainment 6
- 3.4 Connecting and using an infrared sensor 6

4.0 STARTING UP FOR THE FIRST TIME 6
- 4.1 Language, Country and Video setup 7
- 4.2 Audio and Subtitle Setup 7
- 4.3 Satellite Selection 7
- 4.4 Scan Selection 8

5.0 QUICK GUIDE TO USING YOUR RECEIVER 9

6.0 OPERATION 9
- 6.1 Changing channels 9
- 6.2 Info banner 10
- 6.3 Selection of audio language 10
- 6.4 Teletext 10
- 6.5 Subtitles 10
- 6.6 Changing the video format 10
- 6.7 EPG (Electronic Programme Guide) 10
- 6.8 Instant Recording 11
- 6.9 Timeshift 11
- 6.10 6.10 Playback of recording 11

7.0 MAIN MENU 11
- 7.1 Installation 12
- 7.2 Update & Info 16
- 7.3 Conditional Access 17
- 7.4 Channel Manager 18
- 7.5 Timer 21

8.0 TROUBLESHOOTING 22

9.0 SPECIFICATIONS 23

English

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If degraded picture quality is observed while viewing copy-protected pay-per-view programmes, connect the set-top box directly to the TV set. Do not connect through a VCR.

1.0 INTRODUCTION

1.1 Safety Instructions

DO NOT INSTALL YOUR RECEIVER:

- In a closed or poorly ventilated cabinet; directly on top of or under any other equipment; on a surface which might obstruct the ventilation slots.

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:

- To direct sunlight or any other equipment that generates heat; to rain or intense moisture; to intense vibration and to any shock which may cause permanent damage to your receiver or to any magnetic objects, such as loudspeakers, transformers, etc.
- Do not use a damaged power cord. It may cause a fire or an electrical shock. Do not touch a power cord with wet hands. It may cause an electric shock.
- When the receiver is not used for a long period of time, you should unplug the power cord from the wall socket.
- Do not use alcohol or ammonia based liquids to clean the receiver. If you wish, you may clean your receiver with a soft lint-free cloth slightly made damp with a mild soap solution, only after disconnecting from the mains voltage supply. Make sure no foreign objects fall through the ventilation slots because this could cause fire or an electric shock.
- Do not place any objects on top of the receiver because this might prevent proper cooling of the components inside.

Safety Precautions

- Never open the receiver cover. It is dangerous to touch the inside of the receiver due to high voltage currents and possible electrical hazards and your warranty will be void. Refer all maintenance or servicing to suitably qualified personnel.
- When you are connecting cables, be sure that the receiver is disconnected from the mains supply voltage. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment.
- It is a necessity that you only use an approved extension and compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the receiver.
  If the receiver does not operate normally, even after strictly following the instructions in this user manual it is recommended to consult your dealer or the appropriate service for your country.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children. For transporting the receiver from one place to another or if you are returning it under warranty conditions, make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could void your warranty.

1.3 Equipment Set-up

We recommend you to consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:

- Refer to the user manual of your TV and your antenna.
- Make sure that the SCART/HDMI cable and outdoor components are in a good condition and the SCART/HDMI connections are well shielded and from good quality.

This manual provides complete instructions for installing and using this receiver. The following symbols will serve as follow.

WARNING:	Indicates a warning information.
Note:	Indicates any other additional important or helpful information.
MENU	Represents a button on the remote control or the receiver **(Bold character)**
Move to	Represents a menu item within a screen (*Italic character*)

1.4 Accessories

- User manual
- 1x remote control
- 2x batteries (AAA type)
- 1x adaptor 12 V DC, 2.0 A

WARNING: *The batteries should not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries. If rechargeable accumulators instead of batteries are going to be used, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of remote control.*

1.5 Usage of external USB devices

- THOMSON cannot guarantee compatibility to all types of USB storage devices.
- It is advised not to store important information on USB storage devices used with the receiver.
- Always make backups of data on your USB storage device before using it with this receiver.
- THOMSON will not take responsibility for any loss of information or circumstances caused by loss of information.

• Please ensure that either the USB device is already formatted to FAT32.

2.0 YOUR RECEIVER

2.1 Default PIN-code

Default PIN-code of receiver is “0000”. This one can be modified later on.

2.2 Master MR PIN-code

This PIN is used for maturity rating and playback of protected records and is supplied by the operator.

2.3 Front Panel

The front flap can be opened at the top for inserting the smart card

Fig.1

1. Standby/ON button	Turns the receiver ON or into Standby
2. P- /P+ buttons	Switches to the previous/next programme
3. V- /V+ buttons	Reduces or increases the volume level
4. IR Sensor	Receives the RCU commands
5. White LED Display	Displays channel number and time
6. Red Indication LED	Indicates that receiver is currently in power saving mode
7. Smart card slot	To insert your Irdeto Smart card with the chip downwards

NOTE: *5 min after switching the receiver to standby it enters the deep sleep mode. Within this time the receiver is able to start up quickly. Starting up from deep sleep takes approx. 1 min.*

2.4 Rear Panel

Fig. 2

1. IR	To connect the optional infrared sensor
2. OPTICAL S/PDIF	To connect to a digital amplifier or home theatre
3. SAT IN	To connect to the LNB of your satellite antenna for reception of satellite broadcast signal
4. SAT OUT	To loop through the satellite signal to a second receiver
5. TV SCART	To connect to your TV set using a SCART cable
6. USB	To connect your USB device
7. HDMI	To connect to the HDMI input of your TV set using a good quality HDMI cable
8. Power switch	To switch ON or OFF power of your receiver
9. DC POWER	To connect to the original included main power adapter (Input 110 ~240V 50~60Hz/ Output DC 12 V/2A ⊝⊂⊕

2.5 Remote Control

Fig. 3.

1. FAV	Opens the favourite group selection
2. ⏻	Turns the receiver On/Standby
3. TV/R	Toggles between TV and RADIO mode
4. 0~9	Channel selection or value input
5. PG-/PG+	Scroll page wise in all lists
6. BACK	Switches between the two last watched channels
7. *i*	Shows the actual channel information (2x technical info)
8. ▲▼	Menu Off: Change channel to previous/next. Menu On: Moves the cursor up/down.
9. ◀▶	Menu Off: Increases/decreases the volume level. Menu On: Change settings for specific Menus and for navigation

10. OK	Menu Off: Displays the current channel list. Menu On: Opens the highlighted setting
11. MENU	Opens the main menu and from main menu you will get one step back
12. EXIT/SORTIE	Exits from the menu, sub-menu or cancels actions
13. GUIDE	Shows the EPG (Electronic Programme Guide) in TV mode
14. V+/V-	Increases/decreases volume in all modes
15.	Mutes audio output of the receiver in every mode
16. P+/P-	Programme +/-
17. SUB	Shows the list of subtitle languages if available
18. TXT	Opens the Teletext if available*
19. AUDIO	Opens the list of audio languages and settings
20. LIST	Shows the satellite selection in viewing mode
21. OPT	Opens the settings for TV format, aspect ratio and resolution
22.	In viewing mode changes the resolution
23.	No function
24.	Rewind or fast forward
25.	No function
26.	Starts recording of the current selected channel
27.	Starts/resumes playback of a recording or calls the HDD manager playlist
28.	Starts the Timeshift function or pauses playback
29.	Stops the current recording, Timeshift or playback
30. RED	In Menu for specific functions.
31. GREEN	In Menu for specific functions.
32. YELLOW	In Menu for specific functions.
33. BLUE	In Menu for specific functions.

2.6 Installing the Batteries

Fig. 4

Remove the battery cover from the remote control and put 2x AAA size batteries inside the compartment. The diagram inside the battery compartment shows the correct way to install the batteries.

1. Open the cover
2. Install batteries
3. Close the cover

NOTE: *The batteries must not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries.*

2.7 Using the Remote Control

Fig. 5

To use the remote control, point it towards the front of the digital receiver. The remote control has a range of up to 5 metres from the receiver at an angle of up to approx. +-30 degrees.

NOTE: *The remote control will not operate if its path is blocked.*

3.0 CONNECTIONS

3.1 Basic Connection

Fig. 6.

English

1. Connect the LNB or Mono block for ASTRA 19.2 /ASTRA 23.5 of your satellite antenna to the SAT IN connector of your receiver using a good quality coaxial cable and suitable 'F-connector' plugs.
2. Connect one end of a good quality HDMI cable (V1.3 or higher) to the HDMI connector of your receiver and the other end to the HDMI input of your TV set.
3. Plug the power adapter jack to the receiver and the other end to a suitable wall outlet.

Optional: Connect one end of a good quality Scart cable to the TV SCART of your receiver and the other end to the SCART input of your TV set.

NOTE: *If you use only a single LNB on ASTRA 23.5 satellite, a fully bouquet won't be available.*

3.2 Connecting multiple fixed antennas via DiSEqC 1.0 switch

Fig. 7.

1. Connect the LNBs of your fixed antennas to the desired inputs of a DiSEqC 1.0 switch using a good quality coax cable and suitable 'F-connectors'.
2. Connect the output or "to receiver" of the DiSEqC 1.0 switch to the SAT IN connector on your receiver using a good quality coaxial cable and suitable 'F-connectors'.
3. Plug the power adapter jack to the receiver and the other end to a suitable wall outlet.

Connecting a dish on a motorized positioner to your receiver

Another possibility for watching programmes from multiple satellites is by mounting a dish to a motorized DiSEqC 1.2 positioner. Have your dealer mount the dish to the positioner, set the correct angle of the elevation and let him set the centre point for your positioner. Connect the LNB with a coaxial cable to the LNB IN connector of the positioner, and connect the OUT connector of the positioner to the SAT IN connector at the back of your receiver.

3.3 Extended connections for your home entertainment

Fig. 8.

1. Connect the OPTIONAL infrared sensor plug from the appropriate infrared sensor unit for this receiver (sold separately).
2. Connect one end of a good quality optical audio cable to the S/PDIF output of your receiver and the other end to the optical audio input of your home theatre, amplifier or any other device supporting digital audio.
3. Plug the power adapter jack to the receiver and the other end to a suitable wall outlet.

3.4 Connecting and using an infrared sensor

With a separately sold infrared sensor you can place the receiver out of sight (e.g. a closed cabinet) while still being able to control it. Plug the infrared sensor into the "IR" connector on the back of the receiver. Locate the sensor at a position allowing direct sight to the remote control. Once a suitable location is found, remove the protection foil from the adhesive tape on the bottom of the sensor and fix it by slightly pressing it down on the surface it should be placed on.

4.0 STARTING UP FOR THE FIRST TIME

Ensure that your satellite signal is of good quality and that all connections are properly setup. In case of difficulties or questions, please ask your local dealer for assistance.
Switch ON your receiver with the power switch on the rear panel. Then follow the *First Time Installation* step by step. It will guide you through the basic installation and channel searching process. You can enjoy digital HD broadcasts within just a few minutes.

4.1 Language, Country and Video setup

After turning on the power for the first time, the *OSD language*, *Country* and *Video Setting* menus will be shown.
First choose your language with ◀▶, then press ▲▼ to select your preferred country. As the last step on this screen use ▲▼ to select *Video Setting*. Select which connection you will use to your TV screen: SCART or HDMI cable.
Please, read the displayed instructions for each screen carefully which will help you adjust the settings correct and easily.
The connection can be opened with **OK** to set the appropriate settings.
During any stage of the *First Time Installation*, you can press **BLUE** *Next* to go to the next setup screen or **YELLOW** *Previous* to get back to the previous setup screen.

4.1.1 HDMI

In this submenu you can set following parameters:

TV Ratio:	*16:9* or *4:3* to choose depending on the kind of your TV set.
Conversion:	*Letterbox, PanScan* or *Combined*, to choose the preferred picture format.
Video Output:	Only selectable for Scart
Resolution:	*576p, 720p* or *1080i*, to adjust the optimum resolution your TV set supports.
HDCP:	*ON* or *OFF*, please see the note below.

NOTE: *HDCP (High Definition Content Protection) is set to ON per default as nowadays all TV sets with an HDMI connector support HDCP. If you have problems with the HDMI connection you can use the Scart setting to deactivate HDCP, which will allow you to watch via HDMI without problems. Please consider that movies which are broadcasted with an extra content protection might not be shown when HDCP is set to OFF.*

4.1.2 SCART

In this submenu you can set following parameters:

TV Ratio:	*16:9* or *4:3* to choose depending on the kind of your TV set.
Conversion:	*Letterbox, PanScan* or *Combined*, to choose the preferred picture format.
Video Output:	RGB or CVBS, depending on what your TV set supports. For Scart we recommend RGB.
Resolution:	Only selectable for HDMI
HDCP:	ON or OFF, please see the Note above.

After all settings are adjusted following to your preference, choose *Save* with ▲▼ and press **OK**. The receiver returns to the selection screen and you can go to the next screen by pressing the **BLUE** *Next* button.

4.2 Audio and Subtitle Setup

Here you can set the *Audio Languages*, *Audio output*, *Subtitle Display* and *Subtitle Language*. Press ▲▼ for selection and ◀▶ to change settings. To see a list of all possible settings for the highlighted option, press **OK**. When all settings have been made press **BLUE** *Next* to continue. Please read the displayed instructions for each screen carefully. They will help you adjusting the settings correct and easy.

4.3 Satellite Selection

This receiver is already adjusted for reception of Astra satellites with the correct settings as it is most common. Per default it is setup for a standard DUO LNB or double dish with DiSEqC port 1 for Astra 19.2 and DiSEqC port 2 for Astra 23.5. If you are not connected to any switch or if you are using a single LNB/Dish, you can keep the current settings but the full bouquet will not be receivable. Then select Astra 23.5. to adjust the dish for optimal signals. This is the main satellite from which the most channels from the operator are available.

When all settings have been made, press **BLUE** *Next* to continue.
To check or change the settings for the satellite on port 1 press **OK** to enter the submenu. If port 1 is already correctly adjusted and you have proper signal quality and strength banners you can adjust the port 2 if you have a satellite connected there. Use ▲▼ to select it and proceed like below chapter describes. This you can do for up to 4 satellite positions.

4.3.1 Edit LNB

In this submenu you can adjust following parameters:

Satellite: Press **OK** to open the list of available satellites and choose one with ▲▼ or **PG±**.
LNB Type: Choose LNB Type with ◀▶ if you are not using a "Universal" LNB.
LNB Low Freq.: This shows the value for the appropriate LNB Type used and you can only adjust for "Normal" LNB.
LNB High Freq.: This shows the value for the appropriate LNB Type used and you can only adjust for "Normal" LNB.
22KHz Tone: This setting for AUTO should not be changed, only in case it is necessary for your LNB type.
LNB Power: Here you can change the LNB power with ◀▶ if necessary.
Transponder: Press **OK** to open the list of available transponders for the chosen satellite in order to check your reception or align the antenna.

After all settings have been adjusted according to your system requirements, choose *Save* with ▲▼ or *Delete* to discard changes and delete the satellite from the settings. Press **OK**. The receiver will return to the selection screen and you can continue by pressing the **BLUE** *Next* button.

4.4 Scan Selection

In the *Scan Mode* you can choose *Fast Scan* which quickly installs all channels from the operator and *Full Scan* to first scan with *Fast Scan* and then all frequencies from the selected satellite(s).
In *NIT Search* you can select *ON* if you want to scan for newly appeared channels/ transponders or *OFF* if you don't like to.
This is only working if you do a *Full Scan*. We recommend setting the scan mode with the *Fast Scan*. In this mode all goes automatically. After everything is setup following to your preference, choose the **BLUE** *Next* button.
In the next appearing screen you can select the channel list you like to have loaded into your receiver. Use ▲▼ to highlight your selection in orange colour. Press **OK** to choose a list and the receiver will start the scan process directly. Please, have a moment patience as this will take some time.

NOTE: *Once you have selected the FST channel list you prefer, the receiver will always automatically reload/adjust this list later. If you like to change to another list you must do a Factory Reset and start complete new (see chapter* **7.1.5**.*)*

The receiver will perform the chosen scan process. Afterwards all found channels will be stored and the receiver will switch to the first found channel or the first channel.

NOTE: *If the dish is pointed out to a wrong satellite or if there is no or too low signal from the satellite dish, the receiver cannot install channels and will return to the beginning of the First Installation. Please, first check the cables, the direction of the dish and the settings and try scanning again.*

The channels from the operator will be stored from nr.1 up to nr. 3999 in the FST list. All other channels will be stored from channel nr. 4000 and upwards.

5.0 QUICK GUIDE TO USING YOUR RECEIVER

We at THOMSON understand that you can't wait to enjoy your new HD receiver. The following quick guide will make you familiar with the basic operation of this device. We do, however, advice you to read the full manual to get the best performance from your THOMSON HD receiver.

To turn your receiver ON or to Standby, use the ⏻ button on the remote control or the button on the left side of the front panel.

Choose a channel with ▲▼ or the P+/P- buttons. Alternatively, you can digit the channel number with the 0~9 buttons on the remote control or press OK in viewing mode to display the channel list.

The volume can be adjusted with the V+/V- buttons. This is also possible in ALL menus which present a TV picture in the background. In viewing mode you can also use the ◀▶ buttons.

Additionally you can ⊘ your receiver in ALL menus which present TV picture in the background.

The PG+/PG- enable you to scroll page wise in all list modes to make your channel or other selection as comfortable as possible.

NOTE: *5 minutes after switching the receiver to standby, it will enter the deep sleep mode. Within this time the receiver is able to start up quickly. Starting up from deep sleep takes approx. 1 min. Deep sleep mode is to save power and let the receiver go down below 1 W power consumption.*

6.0 OPERATION

In viewing mode, several features are available to make watching TV a true pleasure. This chapter describes these features. Please also read chapter 7.0 to get familiar with the menu of your new receiver.

6.1 Changing channels

Your new receiver is equipped with three ways to change channels.

1. Via direct access
2. Via the channel list and
3. Via the P+/P- or ▲▼ keys.

6.1.1 Direct access

To gain direct access to a certain channel, simply input its number with the 0~9 buttons on the remote control. Channel numbers can be up to four digits long. Entering a number with less than four digits is possible. After entering the channel number just wait a few seconds and your receiver will switch to the selected channel.

6.1.2 Channel list

Press OK in viewing mode to display the *Channel List*. Use ▲▼ or PG+/PG- in the *Channel List* to highlight your channel of choice and press OK to switch to the highlighted channel.

The *Channel List* is equipped with a filter function to make it easier to find your favourite channels. While in the *Channel List*, press RED. An alphabet banner will now be displayed. Use ▲▼ or P+/P- to select the first letter of the channel you wish to watch and press OK to confirm. All channels beginning with the chosen letter will now be displayed.

The following buttons are available in the *Channel list* and viewing mode:

TV/R:	Toggles between TV and radio channels, in channel list changes the list mode.
LIST:	Opens the satellite list selection in viewing and list mode.
FAV:	Displays the favourite list selection in both modes.

6.1.3 Using the P+/P- keys

P+ or ▲ will switch to a higher channel.
P- or ▼ will switch a lower channel.

6.2 Info banner

At any time during viewing mode you can press the ***i*** button to get info about the current channel and programme*. For the current programme information use ◀▶ to change between the NOW and NEXT event info. Press ***i*** twice to see technical details about the current channel. The technical information might help you in case of reception or similar problems to see if the channel provides Audio/Video PIDs and if the signal is of sufficient quality and strength. Press ***i*** once more to remove leave the information banner.

* Programme information is displayed whenever available. Availability depends on the broadcaster.

6.3 Selection of audio language

Some channels support a choice of different audio formats and/or languages. To select another audio stream, press AUDIO in the viewing mode. A list with the available audio languages will be displayed. Press ▲▼ to select a audio language and confirm with OK. It is also possible to select another audio mode with ◀▶. When your settings have been made, press OK to apply.

6.4 Teletext

Your receiver includes a fully featured Teletext. To access Teletext, press the TXT button in viewing mode and and enter the page number of choice with the 0~9 buttons. You can use ▲▼ ◀▶ like described on screen for selection and scrolling through Teletext pages. Press EXIT/SORTIE to quit.

6.5 Subtitles

Some channels support a choice of different DVB subtitle languages. Press the SUB button in viewing mode to display a list of available subtitle languages. You can use the ▲▼ buttons for selection and press OK to confirm.

6.6 Changing the video format

To change the video resolution while watching TV, simply press the ⇿ button in viewing mode. The adjusted resolution will be shown shortly if your TV set supports this resolution.
Press OPT to change other settings like *TV Ratio*, *Conversion* or to have a look on the currently adjusted *Resolution*. Select a setting with ▲▼ and use ◀▶ to change it. When all settings have been made,, press EXIT/SORTIE to quit.

6.7 EPG (Electronic Programme Guide)

The Electronic Programme Guide is a very useful function that allows you to watch programme schedules and information on screen and add events for recording. Press the GUIDE button to open it. Use ▲▼ or PG+/PG- to select a channel and ▶ to move the highlight to the events of this channel. In this part you can also use ▲▼ or PG+/PG- to select or scroll through these. Press OK or GREEN to display detailed information about the selected event. Then use ▲▼ or PG+/PG- to scroll through and press EXIT/SORTIE to quit.
Press BLUE to display programme information for the next day and YELLOW to get back one day. Simply press RED to set a timer for the selected event. A message will be shown, where you have the possibility to change the type between *Record* and *Turn ON* and in below you can enter the time with the 0~9 buttons. Press OK to set the timer or select *Cancel* to discard.
Age protected channels controlled by Maturity Rating will cause that video and audio do not start during the recording. On screen you will be asked to enter the MR PIN to double protect that children cannot watch this when you are absent and the receiver starts by timer. Recordings from these channels can still be watched. If you like to watch during a timer recording as well, then enter your maturity rate PIN behind MR PIN on forehand.

By pressing the **LIST** button you can check the set timers and delete a timer by pressing the **BLUE** button. With **YELLOW** or **EXIT/SORTIE** you can close this menu again.
If the highlight is on a channel, you can press **OK** to directly switch to this channel.

NOTE: *Availability of EPG data depends on broadcast and can be displayed for up to 7 days. If you are opening the EPG just after the receiver was switched on or changed to another transponder, we recommend waiting for approx. 1-2 minutes in order for the receiver to collect the data.*

6.8 Instant Recording

Your new receiver allows you to make an instant recording of the programme you are watching to an externally connected HDD.*
Simply press ● to start the recording. This recording will stop automatically at the end of the event. To enter the duration for the recording of your choice, press ● again.
Enter the recording time with the **0~9** buttons. For a recording duration of 45 min, just enter 45 and press **OK** or for 1h 30 min, just enter 130 and press **OK**. During the recording the display shows "REC" and a progress banner appears on the upper left corner of your TV screen.
To open the recording information press ***i***. To stop the recording, press ■.
* Please connect a USB storage device formatted in FAT32 with sufficient free space before you start a recording. For recording of an HD broadcast, we strongly recommend to use a high speed device.

6.9 Timeshift

The Timeshift function allows pausing of a live broadcast and resume normal watching without missing anything.*
Press ❚❚ to stop the current broadcast. After any time you like you can press ▶ to start time shifted playback. During Timeshift the display shows "tShF" and a progress banner appears on the upper left corner of your TV screen. To open the Timeshift information press ***i***. To stop Timeshift, press ■.

NOTE: *Timeshift only works correctly when a fast USB storage device such as a USB2.0/3.0 HDD is connected to the receiver. Distorted picture and/or audio during Timeshift indicate a too slow USB device speed. Especially when Timeshift is activated at channels with high data rate (High quality SD/HD) a high speed USB device is needed, THOMSON cannot guarantee this function for all USB devices.*

6.10 6.10 Playback of recording

If you have made recordings you can access the HDD Manager directly from viewing mode by pressing ▶. For a detailed description of the menu please refer to chapter **7.4.5 HDD Manager**.

WARNING: *In Irdeto encrypted services some events may be protected extra with Maturity Rate PIN code. If Maturity Rating is activated for a specific recording, you need to enter your PIN code* **MATURITY RATING PIN: SUPPLIED BY YOUR OPERATOR** *before playback can be started.*

7.0 MAIN MENU

Press **MENU** in viewing mode to display the *Main Menu*. All important settings and features of your receiver can be operated from the *Main Menu*. It consists of the following sub-menus: *Installation*, *Update & Info*, *Conditional Access*, *Channel Manager* and *Timer*.
Use ◀▶ to select a sub-menu and ▲▼ to choose an option. Press **OK** to advance to the chosen submenu.

7.1 Installation

This menu allows you to change satellite settings and to search for channels. Further you can adjust important settings for your receiver. It consists of the following sub-menus: *Antenna Setup*, *Channel Search*, *System Settings*, *Parental Lock* and *Factory Reset*. Choose a sub menu with ▲▼ and press **OK** to advance.

7.1.1 Antenna Setup

Use this menu to change or add the settings for an already installed or new satellite and to configure its parameters. In the *Type* line you can adjust if you're using a DiSEqC switch or not by using ◀▶ to change. If your setup differs you can adjust *DiSEqC OFF* or use default setting *DiSEqC 1.0*.
Is *DiSEqC OFF* used you will only be able to setup one satellite. Press **OK** to open the settings for this connection.
For the usage with *DiSEqC 1.0* you can enter the same parameters for up to 4 satellite positions.
If you like to receive more satellites, you can have a motor that turns you satellite dish installed. Select usage of *DiSEqC 1.2* or *GOTO-X* motor support and enter the same parameters for up to 32 satellite positions. For set up and installation of this dish with motor, we advise to contact your local dealer and ask his experience and expertise.

Edit LNB

Satellite: Press **OK** to open the list of available satellites and chose the desired one with ▲▼ or **PG±**.
LNB Type: Choose the desired LNB Type via the ◀▶ buttons if you are not using a "Universal" LNB.
LNB Low Freq.: This shows the value for the appropriate LNB Type used and you can only adjust for "Normal" LNB.
LNB High Freq.: This shows the value for the appropriate LNB Type used and you can only adjust for "Normal" LNB.
22KHz Tone: This setting for AUTO should not be changed, only in case it is necessary for your LNB type.
LNB Power: Here you can change the LNB power via ◀▶ in case it is necessary.
Transponder: Press **OK** to open the list of available transponders for the chosen satellite, in order to check your reception or align the antenna.

After all settings are adjusted following to your system requirements, choose *Save* with ▲▼ or *Cancel* to discard changes and press **OK**. The receiver will return to the selection screen and you can continue.
In case you want to delete a desired satellite press the **GREEN** button. If you want to delete all satellites that have been setup use the **YELLOW** button to do so. Once all settings are made, press **EXIT/SORTIE** to change to the previous menu.

7.1.1.1 DiSEqC 1.2 set-up

In this menu you can set up the motor position which you like to receive for every satellite if you use the dish with a DiSEqC 1.2 motor. Select a position number and press **OK** to open the list of available satellites and chose the desired one with the ◀▶ buttons.

Movement Speed: Here you can change the speed of movement. (Slow/Quick)
Move: Press ◀▶ to turn the dish to East or West. Turn until you see a signal on both signal bars levels. Then you have found the selected satellite. Then press **EXIT/SORTIE** and select *Yes* to store and confirm the position when you have found the wanted satellite.
Center Position: Press **OK** to turn the motor to the central position of 0 degrees. This is only needed 1 x time to adjust the dish the first time.

Set Limit: Press **OK** to open this sub menu for setting up the maximum position of you dish. This is needed if your dish will touch a wall and can be damaged.

GOTO X set-up

In this menu you can set your geographical location if you use a motor and it supports GOTO X. Press **OK** to open the list of available satellites and chose the desired one with the ◀▶ buttons.

Your longitude: Use the **0 ~ 9** buttons to enter the values of your longitude. Press **OK** to confirm the value.

Your latitude: Use the **0 ~ 9** buttons to enter the values of your latitude. Press **OK** to confirm the value.

GOTO: Press **OK** to go to the position. Press **EXIT/SORTIE** and select *Yes* to store and confirm the selection.

Center Position: Press **OK** to turn the motor to the central position of 0 degrees. This is only needed 1 x time to adjust the dish the first time.

7.1.2 Channel Search

Use this menu to perform an automatic, network or transponder channel search or to search on all satellites that have been setup. Use ▲▼ to highlight an item and ◀▶ to change settings. Below the settings you can find the search method selection.

Antenna: Here you can change the antenna port with ◀▶ if you have configured more than one satellite.

Satellite: Here you will see the satellite that is assigned to the antenna in above, you can only see the satellite(s) which has/have been setup in the *Antenna Setup* menu before.

Transponder list: By pressing ◀▶ you can change between the transponders referring to the selected satellite, you can also press **OK** to list and select with ▲▼ or **PG±**. Afterwards press **OK** to choose. Press **RED** to *Edit TP*, with **GREEN** you can *Delete TP* and with **BLUE** you can enter data for a new transponder *Add TP*.

Scan Mode: Here you can decide which channels you want to scan for: Either scan all channels *FTA & $*, for Free-To Air only *FTA* or use *CA* to scan for scrambled channels only.

Channel Type: *TV & Radio* will scan for TV and radio channels, *TV* for TV channels only and *Radio* for radio channels only.

After you have adjusted the settings for the preferred scan process, move to *Scan selected satellite* with ▲▼ and then select the search method with ◀▶.

You can select between following procedures:

Scan selected satellite: Will scan the selected satellite under above given circumstances.

Search TP: Will scan the selected transponder under above given circumstances.

Network Search: Will scan the selected satellite under above given circumstances, but will scan for new appeared transponders there.

Search All Sat: Will scan the setup satellites under above given circumstances.*

Fast Scan: Will rescan the channel list supplied by the operator that you have chosen. *Fast Scan* is only available on Astra 23.5 satellite.

When all settings have been made, press **OK** at the preferred scan method to start this scan process or **EXIT/SORTIE** to quit without scanning. All newly found channels will be stored at the end of the channel list.

*Only available if more than one satellite has been setup.

NOTE: *NIT (Network Identification Table): This option will scan the NIT table of the satellite and allows you to receive newly appeared channels. Please consider that some satellites do not offer this function. Please check with your local dealer.*

English

NOTE: *When you want to add technical data for a new transponder we recommend verifying it by consulting websites like: www.lyngsat.com or www.kingofsat.net or you can refer to professional journals.*

7.1.3 System Settings

Use the *System Settings* menu to configure settings for language, audio, video, look and feel of your receiver. Choose a setting with ▲▼ and press **OK** to list the possibilities or use ◀▶ to change the value of the highlighted setting. Please also read the displayed instructions for each screen carefully. They will help you to adjust the settings correctly and easily.

Language: Here you can change the language for the On-Screen-Display, use ◀▶ to select your preferred language. It affects the menu language of your receiver so all menus and messages will be displayed in the chosen language.

Video Setting: Select the connection to your TV set. Either *Scart* or *HDMI* can be selected via ◀▶. Press **OK** at the used connection to open the settings for it.

Audio Output: Here you can adjust the settings for your digital audio output. Press ◀▶ to choose between *BitStream* and *PCM*. If a device that can decode Dolby Digital is connected, use the setting *BitStream*. If this is not possible, use *PCM*.

Audio language: Press **OK** to open the setting. The most important audio languages are displayed.

Start up channel In this menu you can select your start up channel. Select *Last watched*, if your TV shall start with the last viewed channel before the receiver switched off. To switch on with a specific channel, select *Fixed Channel* by pressing ◀▶. Press **OK** and **OK** again to continue. Press ▲▼ or **PG+** / **PG-** to scroll in the list and confirm your selection with **OK**.

Banner display time:
Defines the time for displaying the information banner. Press ◀▶ to choose between *1 sec ~ 20 sec*.

OSD transparency: Defines the transparency of menus and banner. Press ◀▶ to choose between *25%*, *50%*, *75%* and *fifty-fifty*.

When all settings have been made, press **EXIT/SORTIE** to leave the *System Settings* menu. When returning to viewing mode the receiver informs with a message that it saves your settings.

7.1.3.1 HDMI

In this submenu you can set following parameters:

TV Ratio: *16:9* or *4:3*, depending on the kind of your TV set.

Conversion: *Letterbox, PanScan* or *Combined*, to choose the preferred picture format.

Video Output: Only selectable for Scart

Resolution: *576p, 720p* or *1080i*, to adjust the optimum resolution your TV set supports.

HDCP: ON or OFF, please see the note below.

NOTE: *HDCP (High Definition Content Protection) is set to ON per default as nowadays all TV sets with an HDMI connector support HDCP. If you have problems with the HDMI connection you can use the Scart setting to deactivate HDCP, which will allow watching via HDMI without problems. Consider that movies which are broadcasted with an extra content protection might not be shown when HDCP is set to OFF.*

7.1.3.2 SCART

In this submenu you can set following parameters:

TV Ratio: *16:9* or *4:3*, depending on the kind of your TV set.

Conversion: *Letterbox, Pan&Scan* or *Combined*, to choose the preferred picture format.
Video Output: *RGB* or *CVBS*, depending on what your TV set supports, but for Scart we recommend *RGB*.
Resolution: Only selectable for HDMI
HDCP: *ON* or *OFF*, please see the note above.

After all settings are adjusted following to your preference, choose *Save* with ▲▼ and press **OK**. The receiver returns to the menu.

7.1.3.3 Select Audio Language

In this submenu you can set up to four preferred audio languages:

First Language: Either use **OK** for a list with all available languages or use ◀▶ to select one.
Second Language: Either use **OK** for a list with all available languages or use ◀▶ to select one.
Third Language: Either use **OK** for a list with all available languages or use ◀▶ to select one.
Fourth Language: Either use **OK** for a list with all available languages or use ◀▶ to select one.

The receiver will automatically switch to the preferred audio language whenever available. If the first language is not available it will switch to the second language. Should both the first and the second language be unavailable it switches to the third language and so on.
After all settings are adjusted following to your preference, choose *Save* with ▲▼ and press **OK**. The receiver returns to the menu.

7.1.3.4 Select Subtitle Language

In this submenu you can set up if you want to display DVB subtitles and select your language accordingly:

Subtitle Display: Use ◀▶ to select *ON* or *OFF* depending on DVB subtitle display being preferred or not.
Subtitle Language: Either use **OK** for a list with all available languages or ◀▶ to select a language.

When available, DVB subtitles will be displayed in the selected language.
After all settings are adjusted following to your preference, choose *Save* with ▲▼ and press **OK**. The receiver returns to the menu.

7.1.4 Parental Lock

This menu enables you to define and edit your PIN code, set Installation or Parental Lock. Choose the desired setting with ▲▼ and press **OK** to list the possibilities or use ◀▶ to change the value of the highlighted setting.
Please read the displayed instructions for each screen carefully. They will help you adjusting the settings correct and easy.

Current PIN Code: Use the **0~9** buttons to access this menu options below. Enter the **(DEFAULT PIN: 0000)** if you have not changed it.
Parental Lock: Use ◀▶ to select *ON* or *OFF*. Parental Lock allows you to prevent children from watching adult channels if these channels support EPG or submit EPG based parental rate for your country. In below adjust the *Parental Rate* accordingly.
Installation Lock: Use ◀▶ to select *ON* or *OFF*. Installation Lock allows you to lock the access to your Installation settings and channel edit menus.
Parental Rate: Use ◀▶ to change these settings. Following rates are available: *Unblocked*, *12+*, *16+*, *18+* or *All Blocked*. Depending on the adjusted

setting you will have to enter your PIN code when switching through channels which support EPG or submit EPG based parental rate.

Not rated content: Use ◀▶ buttons to select *Blocked* or *Unblocked*. In order to block or not block the channels with PIN code before decoding, where the EPG based parental rate not broadcasted.

New PIN Code: Enter the PIN code of choice with the **0~9** buttons.

Confirm PIN Code: Use the **0~9** buttons to confirm your new PIN code.

When all settings have been made, press **EXIT/SORTIE** to leave the *Parental Lock* menu. When returning to viewing mode the receiver will inform with a message that it saves your settings.

NOTE: *If you are using the Parental Lock function NOT set to Unblocked then all FTA channels which support EPG respectively submit EPG based parental rate will require to enter your PIN Code* **(DEFAULT PIN: 0000)**.

7.1.5 Factory Reset

A factory reset will restore your receiver to the factory default settings. It will delete all settings and channels. To reset the receiver, you have to enter your PIN code **(DEFAULT PIN: 0000)**, then use ▲▼ to select *OK* to execute or *Cancel* to return to the menu. Afterwards the receiver will restart with the *First Time Installation*.

WARNING: *A factory reset will permanently delete all your personal settings, timers and stored channels. Please consider this before you perform a factory reset.*

7.2 Update & Info

This menu allows you to check information about your current software, create a backup of your channels, load a backup into the receiver and update the receiver via USB or OTA (download via satellite). It consists of the following sub-menus: *Receiver Information*, *Backup to USB device*, *Backup from USB device*, *USB Software Update* and *OTA Software Update*. Choose the desired sub menu with ▲▼ and press **OK** to advance. For *Backup to USB device* and *Backup from USB device* these functions will be executed by pressing **OK** directly.

7.2.1 Receiver Information

In this submenu you can find information about the software, database and hardware version of your receiver and our website www.thomsonstb.net. A customer support agent might ask for the information given in this screen. Press **EXIT/SORTIE** to return to the menu.

7.2.2 Backup to USB device

In the *Update & Info* menu select *Backup to USB device* with ▲▼ and press **OK** to execute a current backup of your channels, transponders and user settings. When the message *Please wait...* disappears the receiver has successfully created the “userdata.bin” file to the root directory of your USB device which you can save if you need to reset the receiver and easily want to load this backup into the receiver.

7.2.3 Load Backup from USB device

In the *Update & Info* menu select *Backup from USB device* with ▲▼ and press **OK** to execute loading the “userdata.bin” file into the receiver. You will only be able to load this kind of file into the receiver so please don’t rename it, or alternatively rename it again to the above mentioned file name before you load the file to the receiver again.

7.2.4 USB Software Update

This function allows you to perform a software update from a USB device.

NOTE: *Please connect a correctly formatted USB storage device with the correct software file loaded to the root directory and then connect it to your receiver. After the receiver successfully has started the loading process (progress bar will be shown) please remove the USB device!*

WARNING: *NEVER disconnect the receiver from the mains or switch the power OFF during the update procedure. It can damage your receiver and warranty will void! As soon as the update is finished, the receiver restarts automatically! In case of a USB software update please consider that the receiver in certain cases may delete all channels, data and user settings.*

NOTE: *The above mentioned USB functions require a correctly formatted USB storage device to be connected to the receiver.*

7.2.5 OTA Software Update

The OTA (Over the Air) function allows you to search for software updates available on ASTRA 23.5 satellite. Please ask your local THOMSON dealer or visit our website www.thomsonstb.net for information.
After pressing **OK** on *OTA Software Update* to execute your receiver will start looking for new software. Follow all instructions that are displayed on screen. If an update is available choose *Download* with ▲▼ and press **OK** to start the update process.

WARNING: *After the update the receiver restarts automatically! During the update process NEVER disconnect the receiver from the mains, switch power OFF or disconnect the receiver from the antenna cable! This can damage your receiver and warranty will be void! In case of a USB software update please consider that the receiver in certain cases may delete all channels, data and user settings.*

7.3 Conditional Access

Your receiver is equipped with a smart card slot which allows access to Irdeto encrypted services.
Depending on your smart card you can read different information that might also be asked from your broadcaster in order to give the most effective support. The programmes that can be descrambled are determined by the smart card respectively the subscription which you use. This sub menu gives you access to advanced functions and information in respect to your Irdeto smart card if it is inserted. The following menus are available: *Irdeto Status*, *Mail* and *Maturity Rating*.

7.3.1 Irdeto Status

This menu gives access to following submenus which can be opened for detailed information about these items: *Smart Card Status*, *EMM Status*, *ECM Status*, *Loader Status*, *Product List Status* and *PVR DRM Service*.

7.3.2 Mail

This menu allows access to Irdeto mail. This is used for sending important information from broadcaster to you. At the moment you receive a mail you will get a mail message on screen. Please, go then into this menu to open the message from broadcaster.

7.3.3 Maturity Rating

In this menu you can define a new maturity rating group or delete an existing maturity rating group.
Enter the **MATURITY Rating PIN: given by the operator** in order to access this menu. In the Maturity rating menu you can choose to use the broadcasted maturity rate via the CA (Conditional Access) System. This means that when an Irdeto scrambled channel broadcasts

a defined rate for a movie or special event you can use this setting to protect children from watching improper content for their age. These PIN codes are also used to start playback of a recording with protection. The availability and access of this menu depends on if the broadcaster supports/opens this function.

Maturity Rating Master PIN:
Use the 0~9 buttons to access this menu options. Enter the MATURITY RATING PIN.

Maturity Rating action:
Use ◀▶ to set *ON* or *OFF*. If *OFF* is set the function is deactivated. If a profile has been setup the menu now contains following settings as well:

Maturity rating group: Displays the chosen rating groups, starting with "0". When more than one profile was setup you can choose one with ◀▶.

Age: Displays the age for the rating group above.

User PIN Code: Displays the PIN code for the rating group/age above.

Add maturity rating group

Press the RED button to create a new profile for a specific age.

Maturity rating group: Displays the chosen rating groups, starting with "0".

Age: Use ◀▶ to change the age between *4 – 18* years.

When finished use ▲▼ to select *Save* to apply or *Cancel* to return to the menu.

When you save the age setting the receiver displays a generated PIN code. Please note this PIN code for access to watching content.

Delete maturity rating group

Use ◀▶ to change to the maturity rating group you want to delete and then press GREEN to delete it.

NOTE: *For watching a certain movie the receiver will request to enter the maturity rating PIN code. You can create up to 6 different profiles, which can also be deleted again. When setting a profile for a certain age, please consider that the set PIN code is generated for this specific age only and should be noted by an adult. Generally you can use the master PIN for every age restriction and by entering it you can also check the PIN for the different maturity rating groups.*

WARNING: *The maturity rating function might have influence on the recording timer behaviour if the maturity rate for a programmed event differs to the rate of a previous movie. This will lead to a new PIN enter request or the receiver enters the automatic standby mode in the meantime and so also requests the PIN.*

The master PIN of your smart card can only be changed via the operator

7.4 Channel Manager

In this menu you can manage channels and configure favourites, define an automatic channel update or from a connected USB storage device. The menu consists of the following sub-menus: *TV Channels*, *Radio Channels*, *Auto Channel Update*, *TV Programme Guide* and *HDD Manager*. Choose a sub menu with ▲▼ and press OK to advance.

7.4.1 TV Channels

Use this menu to manage your TV channels. The current channel list is displayed to the left and the favourite group to the right.

Add channels to favourite groups

Use ▲▼ to select a channel and press OK to add it to the favourite group. Press GREEN to change between 6 available favourite groups. To remove a channel from a favourite group use ▶ to change to the right side, then use ▲▼ to select the channel you want to remove from this

favourite group and press **RED** to delete this channel. Then press ◀ to change to the left side again if you want to add other channels to favourite groups.

NOTE: *Removing a channel from a favourite group doesn't remove this channel from the channel list.*

Move channels

Press the **YELLOW** button to move a channel position in the channel list for the selected favourite group. Select the channel you want to move with ▲▼, then press **OK** highlight the selected channel for moving. Afterwards use ▲▼ to select the new position for the channel and press **OK** to release it. Another pressing of the **YELLOW** button brings you back to the initial mode, where you can add channels to favourites.

Lock/Unlock channels

Press **BLUE** to activate this function. You will be asked to enter your PIN code **(DEFAULT PIN: 0000)**. Select the channel you want to lock with ▲▼, then press **OK** highlight the selected channel to lock. By pressing **OK** again you can remove the lock symbol.
The lock function is not supported in a favourite group.

Rename favourite group or channel

Select the channel or favourite group you want to rename first, then press **MENU** to open one of these functions. After selecting the function of choice, press **OK**, then enter the new name by pressing the **0~9** buttons.. After entering the name of choice, use ▲▼ to select *OK* to change the name or *Cancel* to return. If you rename a channel from the channel list it will change the channel name in the favourite group if it is available there, too. Out of this reason renaming a channel is only possible in the channel list.
When all settings have been made, press **EXIT/SORTIE** to leave the *TV Channel Manager*. When returning to viewing mode the receiver will inform with a message that it saves your settings.

7.4.2 Radio Channels

This menu allows you to organise your radio channels like the TV channels. The only difference is that there are two available favourite lists for radio channels. For the functions please refer to chapter **7.4.1 TV Channels**.

7.4.3 Auto Channel Update

This menu allows you to switch the automatic channel update on Astra 23.5 satellite OFF or ON by reloading the FST list from the operator.
The default setting is *ON* which we strongly recommend to keep. Daily and by a change the new channels will automatically be added or deleted channels will be removed in channel list. If you choose *OFF* you will not have this automatic update and you need to perform any action to add or delete channels by yourself.

NOTE: *This function will provide an update only for channels from the operator following the FST Channels. Other satellites you will need to update manually. Please consider that in this case already deleted services from the FST list will be added to the channel list again!*
FST = Fast Scan Table

7.4.4 TV Programme Guide

The EPG (Electronic Programme Guide) is a very useful function that allows you to watch programme schedules and information on screen and add events for recording. For detailed instruction and information please refer to chapter **6.7 EPG (Electronic Programme Guide)**, the functions are identical.

7.4.5 HDD Manager (PVR)

The HDD Manager menu allows you to select a recording file for *Playback*, *Delete*, *Lock* and *Rename*. It allows you to select another *Partition* and/or *Format* for the connected HDD into FAT32.
Make sure you have connected your external HDD to the USB port on the rear panel on which you made recordings before.

Playback

Use ▲▼ to highlight a recorded file and **OK** to start playback. Some recordings can be showing a lock symbol which is set automatically if an event had an age level or 18+ protection. Please, enter this PIN code if the receiver asks for it before playback can start. The PIN can be the master PIN given by the operator of the smart card. The PIN can be also one of the PINs of your created Maturity groups in the *Maturity Rating* menu.
If a recording has an age level from the event it will be shown in this menu. This recording can also be played back with the belonging PIN code(s).
Note: Please, contact your operator if you lose the master PIN code. You recordings are not lost and can be reopened again with the new master PIN after you follow their instructions.
Playback is only possible on the receiver on which the recording was made. Playback on multimedia players is not possible as the recorded files are encrypted and protected.

Delete a record

Use ▲▼ to highlight the recorded file you want to delete permanently from your external HDD. Press the **RED** button and then select *OK* and press **OK** to delete.

Format HDD

Press **GREEN** to format the connected HDD into FAT32. You can use this function when you are using a brand new external HDD or USB device to format it into the correct FAT32 format which is needed to make recordings on this device or if you have made many recordings and no more recordings are allowed. You can delete all these at once and it allows you to make new recordings again.

WARNING: *This will delete all data, information and recordings from the external HDD and is irreversible! THOMSON cannot guarantee this function for all USB devices and cannot be responsible for loss of recordings or data.*

TIP: *If you time to time make a copy from this external HDD to another HDD by using a computer it will protect some recordings should they have gotten lost or damaged on the currently used HDD.*

Lock

Use ▲▼ to highlight the recorded file you want to lock with a PIN code before you can play back it.
Press the **YELLOW** button and then enter the PIN to set the lock. Be aware that the receiver has no unlock function, so you are not allowed to remove recording locks.

Partition

Press **BLUE** to change the *Partition* on the connected external HDD.
This function can only be used if you have made more partitions of the HDD by using a computer before. It allows you to select on which partition you will store the recordings. After you have selected another partition, press **OK** to store the selection.

Rename

Use ▲▼ to highlight the recorded file you want to rename.
Press **MENU** and select rename and press **OK** 2 times! A keypad appears and with the number buttons on the remote control you can create a new name. This function works on

SMS method. After you have entered a new name for the selected recording, press **OK** to store.

Sort
Press **MENU** and select *Sort* and the way you like to display the record list. Select between *Sort by Date* if you want to sort by date of events. Select *Sort by Alphabet* to sort on A ~ Z order. Press **OK** to confirm.

Remove USB
Press **MENU** and select *Remove USB* if you like to disconnect your external HDD or USB device safely from the receiver. Press **OK** to confirm.

7.5 Timer
In this menu you can adjust the time and programme timers. These submenus are available: *Time adjust* and *Set Timer*.

7.5.1 Time Adjust
This menu allows you to set the way the receiver collects and adjusts the time. You can also adjust the Auto Standby function here. Use ▲▼ to highlight the setting you wish to change and ◀▶ or **0~9** to change the value of the highlighted setting. Press **OK** for a list with all available options for the chosen setting.

Auto Time Setting: Defines if the time is collected automatically via satellite, the default setting is *ON*. Use ◀▶ to select *OFF* if you prefer to set up the time manually.

GMT Offset: When the *Auto Time Setting* is kept *ON* the receiver shows the current used offset. In case *Auto Time Setting* is *OFF* you can adjust the offset between: *+0:00 – -12:00* hours.

Summer time: If *Auto Time Setting* is *OFF* you can adjust the summer time here.

Current Date: If *Auto Time Setting* is *OFF* you can adjust the date here.

Current Time: If *Auto Time Setting* is *OFF* you can adjust the current time here.

OTA check time: This function is checking every day when the receiver is in standby mode if newer software is available. Default time is 04:00Hours but you can set up to another time if you wish.

Auto Standby: This function is a new power saving feature that helps reducing power consumption. It switches the receiver to standby when no command has been given from the remote control for at least the set time. Possible settings are: *1H* up to *12H* and *OFF* to deactivate this function.

NOTE: *5 min after switching the receiver to standby it enters the deep sleep mode. In this time the receiver is able to start up quickly. Starting up from deep sleep takes approx. 1 min.*

7.5.2 Set Timer
Timers can be used to schedule recordings or to switch to a certain channel at a specific time. It will help you not to miss your favourite events. Above the settings you will see the current date and timer displayed.

Timer Number: Use ◀▶ to select one of the ten available timers or press **OK** to list up.

Channel: With **OK** you can list the channel list in a new screen. Use ▲▼ or **PG±** to select a channel and press **OK** again to apply this channel.

Timer Type: Choose between *Once*, *Daily* or *Weekly*.

Event Type: Choose between *Record* to start a record or *Turn ON* to power on and switch to selected channel.

Month: Only available when *Timer Type* is *Once*. Use ◀▶ to select the month.

Date: Only available when *Timer Type* is *Once*. Use ◀▶ to select the date.

Day: Only available when *Timer Type* is *Weekly*. Use ◀▶ to select the day.

Time: Use the **0~9** buttons to enter the time at which the timer should start.

Duration: Use the **0~9** buttons to digit the duration of the timer. For duration of 45 min, just enter 45 and press **OK** or for 1h 30min, just enter 130 and press **OK**.

Enable: Choose between *Yes* or *No*. You have to choose *Yes* if you want the timer to start at the desired time.

By pressing the **YELLOW** *Summary* button you can check the set timers and by pressing the **BLUE** button you can delete a timer. With **YELLOW** or **EXIT/SORTIE** you can close this menu again. Timers set *Enable* to *Yes* are automatically available in the *Summary*.
When all settings have been made, press **EXIT/SORTIE** to leave the menu. When returning to the viewing mode the receiver will inform with a message that it saves your settings.

NOTE: *If one timer is in conflict with another or if the set time already has passed, the receiver will display a warning and ask how to solve the conflict.*

8.0 TROUBLESHOOTING

There may be various reasons for abnormal operation of the receiver. Please check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact your local service line or THOMSON dealer. Alternatively you can send a support mail via our website: www.thomsonstb.net. NEVER open or disassemble your receiver. This may cause a dangerous situation and will void the warranty.

Symptom	Cause	Remedy
The display on front panel does not light up.	The power adapter is not plugged in or power switch OFF.	Check that the power adapter is plugged in to the wall outlet. Make sure power switch on rear panel is in ON position.
No picture or sound	Wrong connection or setting of the Audio/Video output of the receiver to TV.	Connect the Audio/Video output of the receiver to TV correctly and check the adjusted settings in the menu *Installation – System Settings*.
	Audio muting.	Press the ⊘ button on TV or receiver.
	Wrong resolution.	Press the resolution button on your remote control
	TV power off.	Turn TV on.
No picture	The receiver can't receive the signal.	Check the antenna cable, replace the cable, or connect the cable to the receiver tightly.
	Incorrect values of some tuner parameters.	Set the values of tuner parameters correctly in menu *Installation – Antenna Setup/Channel Search*.
	Wrong direction of the antenna.	Check the signal with a spectrum analyzer and adjust your antenna correctly.
No access to scrambled services	Expired subscription. Smart card awaiting new authorisation. No Subsciption for the selected channel.	Check your actual subscription status in *Conditional Access – Irdeto Status – Product List Status*. When receiver was powered off/ disconnected from signal for longer it can take ~1-2 h until a valid card is activated again. Switch to another channel.

Symptom	Cause	Remedy
The remote control does not work	The batteries of the remote control are not inserted, wrongly inserted or exhausted.	Check whether the batteries are inserted correctly or exhausted, if so replace the batteries in the remote control.
The USB storage device is not working properly.	Wrong formatted. Bigger sized HDD connected. USB 1.1 device connected.	Format USB device by receiver in menu *Channel Manager – HDD Manager*. Format USB device in your computer to FAT/FAT32. Bigger size HDD or HDDs with more partitions might need longer time to be detected. The receiver might not properly work with such an USB device
The external USB HDD does not start.	Power consumption is too high.	Connect an extra power supply adapter to your USB HDD device (max. supported 5V/1A).
The receiver switches to Standby automatically.	Auto Standby function is activated and reached the adjusted time (default 3h).	In the menu *Timer – Time Adjust* you can adjust the Auto Standby time or disable it.
Message E44-32 No Event Information. Enter PIN code.	Receiver block channel as there is no parental rate information broadcasted.	See 7.1.4 Parental Lock. Select *Not rated content* and set setting to *Unblocked*.

9.0 SPECIFICATIONS

Video
Profile level: MPEG-2, MPEG-4 H.264/AVC
Aspect ratio: 4:3 and 16:9, Pan & Scan, Letterbox, combined
Video resolution: 576p, 720p, 1080i

Audio
Audio mode: Mono L/R, Stereo, Dolby Digital Plus

Tuner
LNB power: 13/18 V DC (+/- 1 V), max. 0.35 A, overload protected
DiSEqC version: 1.0, 1.2, GOTO-X

Connectors
SAT IN
SAT OUT
HDMI
TV SCART (RGB, CVBS, Audio L/R output with volume control)
Digital audio S/PDIF optical
USB 2.0 port, Type A: 5 V/1 A (max.) supported
IR – Infrared sensor input
DC main power

General Data
Supply voltage: 100 - 240 V AC 50/60 Hz,

Output voltage 12 V DC, 2.0A
Power consumption: max. 20 W, typ. 8.00 W
Power consumption in stand-by: max. 1.00 W
Operating temperature: +0 to +40 °C
Storage temperature: -10 to +70 °C
Operating humidity range: 25 ~ 75% RH, non-condensing
Size (W x D x H) in mm: 261 x 168 x 51
Weight: 0.911 kg